INTERNATIONAL SEARCH REPORT

International application No. PCT/AU2004/000899

									
A.	CLASSIFICATION OF SUBJECT MATTER								
In £.Cl. 7:	B22F 9/18, 9/20, C22C 14/00, 21/00, 45/08, 45/10, C01F 7/00, C01G 23/00								
According to	International Patent Classification (IPC) or to both	national classification and IPC							
В.	The second of th								
Mi nimum docu	rmentation searched (classification system followed by c	lassification symbols)							
Do cumentation	searched other than minimum documentation to the ext	ent that such documents are included in the fields searce	hed						
TO COM 1073 10	base consulted during the international search (name of 1/-, C22B 5/04, 34/10, 34/12; C22C 1/00, 1/04, 1/04 ad +chloride+. Chemical Abstracts Online keyword	5, 21/-, 14/-; CUIF //OU, 23/00 and keywords for A	Al/Aluminium, and reduction.						
C.	DOCUMENTS CONSIDERED TO BE RELEVANT								
Category*	Category* Citation of document, with indication, where appropriate, of the relevant passages								
X	OKABE, et. al., "Reaction Pathways during Metallothermic Reduction of TiCl ₄ by Utilizing Chemical Potential Diagrams," <i>Titanium Extracting and Processing</i> , editors B. Mishra and G. J. Kipouros, The Minerals, Metals and Materials Society, 1997, pp 133-150, See especially pp. 147-150 (note in particular the phase diagram for the Ti subchloride - Al systems on pages 148-149).								
X	Derwent Abstracts Accession No. 58145Y/33, Class E32, JP 52-078608 A (ARITA KENKYUSHO KK) 2 July 1977. See Abstract								
Х	7/05, Class M22, RU 2082561 C NST. STOCK. CO.) 27 June 1997.	1-6, 8-26, 28-42							
X F	I urther documents are listed in the continuation	of Box C X See patent family anne	×						
"A" documen	idered to be of particular relevance	ter document published after the international filing date or pri purifict with the application but cited to understand the principle aderlying the invention	iority date and not in e or theory						
"E" earlier application or patent but published on or after the international filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone									
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art									
"O" document or other t	nt referring to an oral disclosure, use, exhibition "&" document member of the same patent family								
	t published prior to the international filing date than the priority date claimed		·						
Date of the actu	al completion of the international search	Date of mailing of the international search report	JUL 2004						
21 July 2004	ng address of the ISA/AU	Authorized officer							
	PATENT OFFICE								
PO BOX 200, V	VODEN ACT 2606, AUSTRALIA	ROGER HOWE							
E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929 Telephone No : (02) 6283 2159									

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International application No.
PCT/AU2004/000899

ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to		
 -	Change of the state of the stat			
X	DeKOCK, et. al., "Attempted Preparation of Ti-6-4 Alloy Powders from TiCl ₄ , Al,	1-6, 8-20		
2%	VCl ₄ and Na," Metallurgical Transactions B, Vol. 18B, September 1987, pp 511-517	28-42		
	, out and ites, incoming the state of the st			
X	BARTLETT, et. al., "Titanium Powder by Magnesium Reduction of TiCl in Liquid	1-6, 8-20		
Λ.	Zinc Alloy," Light Metals 1994 (edited by U. Mannweiller), The Minerals, Metals and	28-42		
	Materials Society, 1994, pp. 1181-1186.	20 12		
	See in particular the final paragraphs on page 1186.			
	Doe in paraoutal and man paragraphs on page 1100.			
x	US 5460642 A (LELAND) 24 October 1995.	1-6, 8-26		
. ^	See abstract.	28-42		
	See abstract.			
x	US 5032176 A (KAMETANI et. al.) 16 July 1991.	1-6, 8-26		
Λ.	See column 12 lines 51-68.	28-42		
	Det Column 18 miles of 50)			
x	WO 1992/014851 A (THE UNIVERSITY OF MELBOURNE) 3 September 1992.	1-6, 8-26		
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\mathbf{x}	EP 134643 A (SOLEX RESEARCH CORPORATION OF JAPAN)	1-6, 8-26		
А	20 March 1985.	28-42		
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X	DE 2747016 A (TOYO SODA MANUFACTURING CO. LTD.) 27 April 1978. &	1-6, 8-26,		
4.	Derwent Abstracts Accession No. 32433A/18, Class E32.	28-42		
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	(TOHO TITANIUM CO. LTD.) 17 July 2001.	28-42		
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X	US 4508322 A (KIMURA et al) 2 April 1985	29-31		
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	·			
X	EP 97135 A (ISHIZUKA) 28 December 1983	29-31		
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x	GB 1566363 A (VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY I PROEKTNY	29-31		
^	INSTITUT TITANA et al) 30 April 1980	J L		
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X	EP 298698 B1 (TOHO TITANIUM CO. LTD.) 11 January 1989	29-31		
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International application No.

PCT/AU2004/000899

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member					
JP	52078608						
RU	2082561					·····	
US	5460642	AU	21595/95	WO	9525824		
US	5032176	DE	4016502	GB	2231883	л	2311316
wo	9214851	AU	12741/92	US	5397375	US	5482691
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EP	0134643	AU	30262/84	JР	60017026	JP	60017027
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ЛP	2001192711						····
US	4508322	CA	1218523	FR	2545106	. ЛР	59226127
		NO	840790				
EP	0097135	AU	14524/83	CA	1202183	JP	58210128
		·	59080593	NO	831930	US	4565354
GB	1566363						
EP	0298698	AU	18824/88	ЛP	1015334	US	4877445

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX